

## Adjustments

This Öhlins shock absorber features the following adjusters:

### Spring pre-load adjuster

Adjust by turning the lower ring on the shock absorber body. Lock the position with the upper ring. Use the C-spanner provided in this kit.

### Compression damping adjuster

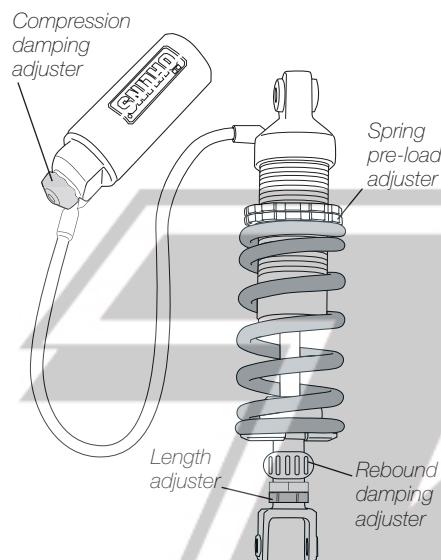
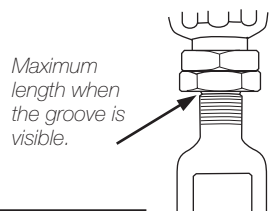
Adjust by turning the knob on top of the reservoir.

### Rebound damping adjuster

Adjust by turning the wheel on the piston shaft above the end bracket.

### Length adjuster

Adjust by turning the end bracket. Tighten the lock nut to lock the position.



### NOTE!

Read more about adjustments and settings in the Öhlins owners manual.

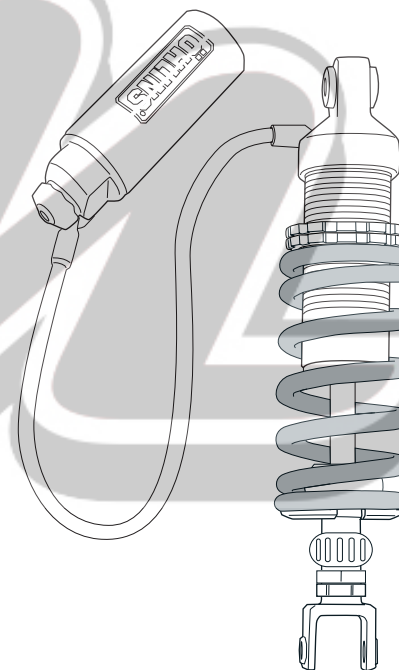
### Set-up data

Shock absorber length	305 ± 1 <sub>0</sub> mm
Stroke	58.5 mm

Spring pre-load	8 mm
Compression damping	10 clicks
Rebound damping	14 clicks

# Mounting Instructions

Öhlins shock absorber kit YA 543  
for Yamaha FZ6/ Fazer



### Kit Contents

Before installing the shock absorber, please check the contents of the kit. If anything is missing, please contact your Öhlins dealer.

Description	Article no.
Shock absorber 46 HRCL	YA 543 (1)
Sleeve	03204-01 (1)
Rubber mount reservoir	00230-01 (2)
Hose clamp	00643-02 (2)
C-spanner	00710-02 (1)
Sticker Öhlins	00192-01 (2)
Sticker memo notes	01180-01 (1)
Owners manual	(1)

### Before Installing

Öhlins Racing AB cannot be held responsible for any damage to shock absorber or vehicle, or injury to persons, if the instructions for fitting and maintenance are not followed exactly.

Similarly, the warranty will become null and void if the instructions are not adhered to.

Öhlins products are subject to continuous improvement and development. Consequently, although these instructions include the most up-to-date information available at the time of printing, there may be minor differences between your shock absorber and this manual. Please consult your Öhlins dealer if you have any questions regarding the contents of this manual.

### WARNING!

The adjustable end eye/bracket must not be threaded out more than the groove is fully visible beneath the lock nut. After adjusting, make sure that the lock nut is tightened.

### NOTE!

When delivered the Öhlins shock absorber is dialed to recommended settings for the specific brand and make of the motorcycle. If you have changed the setting, reset according to the following:

The adjuster has a normal right hand thread. Turn the damping adjuster clockwise to fully closed (pos. zero [0]). Turn counter clockwise to open and count the clicks until you reach the recommended number. **See Set-up data.**

### CAUTION!

Do not use too much force, delicate sealing surfaces can be damaged.

YA 543, issued 2005 12 12



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## Safety Signals

Important information concerning safety is distinguished in this manual by the following notations:



The Safety alert symbol means: Attention! Your safety is involved.

### WARNING!

Failure to follow these warning instructions could result in **severe or fatal injury** to anyone working with, inspecting or using the shock absorber, or to bystanders.

### CAUTION!

Caution indicates that special precautions must be taken to avoid damage to the shock absorber.

### NOTE!

Indicates information that is of importance regarding mounting procedures.

### WARNING!

1. Installing a shock absorber, that is not approved by the vehicle manufacturer, may affect the stability of your vehicle. Öhlins Racing AB cannot be held responsible for any personal injury or damage that may occur after fitting the shock absorber. Contact an Öhlins dealer or other qualified person for advice.

2. Please study and make certain that you fully understand all the mounting instructions and the owner's manual before handling this shock absorber kit. If you have any questions regarding proper installation procedures, contact an Öhlins dealer or other qualified person.

3. The vehicle service manual must be referred to when installing the Öhlins shock absorber

### NOTE!

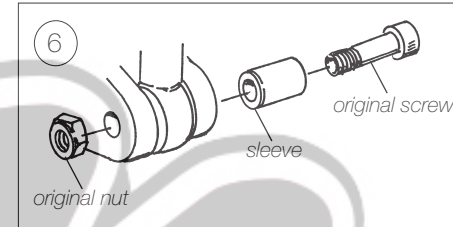
During storage and transportation, especially at high ambient temperature, the oil and grease used for assembling may run out inside the packing and damage the expanded polystyrene packing material. This is not unusual and is in no way detrimental to the shock absorber.

6

Attach the upper attachment of the Öhlins shock absorber. Use the original screws.

7

Attach the lower attachment. Use the sleeve provided in this kit, and the original lower screw. **See the figure below.**

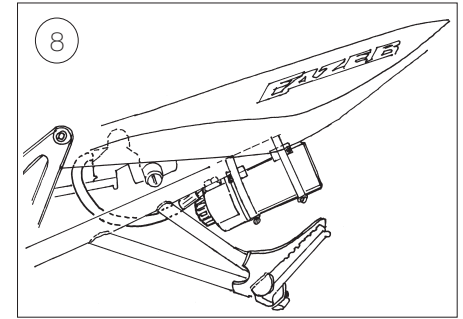


8

Install the reservoir on the frame tube. Use the rubber mounts and the hose clamps provided in this kit.

### CAUTION!

When installing the reservoir, make sure there is clearance between the mudguard and the reservoir, when the suspension is compressed.



9

Install the mudguard, the left side cover and the seat.

### NOTE!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock absorber when the suspension is being fully compressed or extended.

10

Read more about the Öhlins shock absorber in the Öhlins owners manual.

## Mounting Instructions

### WARNING!

1. It is advisable to have an Öhlins dealer or other qualified person install the shock absorber.
2. Follow the instructions in the vehicle service manual when changing the shock absorber.
3. When working on a raised vehicle, make sure that it is securely supported to prevent it from falling.

1

Put the motorcycle on a workstand so that the rear wheel is off the ground. **Make sure the vehicle is securely supported so that it will not fall over.**

2

Remove the seat and the left side cover of the motorcycle.

3

Remove the mudguard.

4

Remove the original shock absorber.

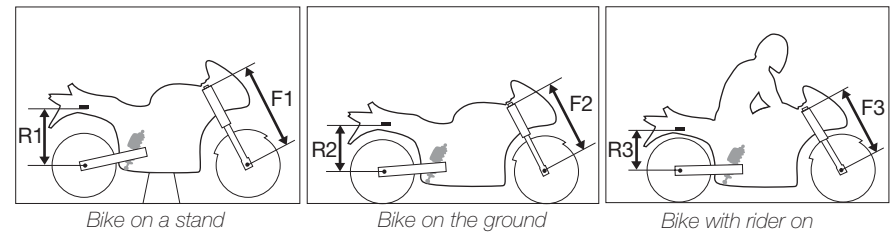
5

Install the Öhlins shock absorber. The reservoir hose must run on the left side of the motorcycle, outside the plastic cover. **See figure 8.**

### NOTE!

The plastic cover must be slightly bent to install the hose in correct position. Bend carefully to not damage the cover.

## Check sag and ride height



### Front suspension

- F1. Bike on a stand with the suspension fully extended = .....
- F2. Bike on the ground without rider = .....
- F3. Bike on the ground with rider = .....
- Free sag F1 - F2 = .....
- Ride height F1 - F3 = .....

### Rear suspension

- R1. Bike on a stand with the suspension fully extended = .....
- R2. Bike on the ground without rider = .....
- R3. Bike on the ground with rider = .....
- Free sag R1 - R2 = .....
- Ride height R1 - R3 = .....